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S E C R E T CITE NPIC 0043.

THE FOLLOWING INFORMATION REPRESENTS A PRELIMINARY ANALYSIS OF AERIAL PHOTOGRAPHY FROM GLASS LAMP MISSION G-949, 7 MAR 67.

((TEXT WHICH FOLLOWED WAS IDENTICAL TO ABOVE CITED MSN G-949))

S E C R E T

-END OF MESSAGE-

9 MAR 1967

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NGA review(s) completed.

25X1

S/C NOTE: ALSO PASSED

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PREFACE

Sec-1 THE FOLLOWING INFORMATION REPRESENTS A PRELIMINARY ANALYSIS OF AERIAL PHOTOGRAPHY FROM GLASS LAMP MISSION 6-949, 7 MAR 67. THE NUMBER AT THE RIGHT MARGIN OF THE HEADER LINE IS THE COMOR TARGET NUMBER.

SYMBOLS USED TO INDICATE CONDITIONS WHICH AFFECT THE APPEARANCE OF THE TARGET ON PHOTOGRAPHY ARE AS FOLLOWS-- C @CLEAR¤, SC @SCATTERED CLOUD COVER¤, HC @HEAVY CLOUD COVER¤, H @HAZE¤, CS @CLOUD SHADOW¤, SD @SEMIDARKNESS¤, GC @GROUND COVER¤, CF @CAMOUFLAGE¤, O @OBLIQUITY¤, AND GR @GROUND RESOLUTION¤.

INTERPRETABILITY OF THE PHOTOGRAPHY IS CATEGORIZED AS G @GOOD¤, F @FAIR¤, OR P @POOR¤. THE EXTENT OF TARGET COVERAGE IS DENOTED BY THE SYMBOLS T @TOTAL¤ OR PT @PARTIAL¤. THE MODE OF COVERAGE IS SIGNIFIED BY ST @STEREO¤, NS @NONSTEREO¤, OR PS @PARTIAL STEREO¤.

AAA DEFENSES ARE DIVIDED INTO FOUR BASIC CATEGORIES -- LIGHT @21-75 MM¤, MEDIUM @76-100 MM¤, HEAVY @OVER 100 MM¤, AND AUTOMATIC

P-2 WEAPONS @ZPU-1, ZPU-2, AND ZPU-4¤. IF THE CATEGORY CANNOT BE DETERMINED, THE SITE WILL BE LISTED AS AN AAA SITE AND THE NUMBER OF GUNS INDICATED @EXAMPLE -- 6-GUN AAA SITE, OCCUPIED/UNOCCUPIED¤.

ITEMS OF SPECIAL INTEREST

THIS MISSION CONSISTS OF 464 FRAMES.

MISSILES

CAMPO FLORIDO SAM SITE A07-2 CU 2309N 08202W
OB -- 6 EMPLACED LAUNCHERS @1 WITH MISSILE¤, 11 MISSILE TRANSPORTERS @3 WITH EXPOSED MISSILES¤, A FAN SONG RADAR WITH ASSOCIATED VAN TRAILERS, AN ACQUISITION RADAR WITH GENERATOR VAN, 6 AT-S PRIME MOVERS, 7 CARGO TRUCKS, 4 VAN TRUCKS, 2 VAN TRAILERS, AND 4 PROBABLE SEDANS.
ACTIVITY -- 1 OCCUPIED 6-GUN AAA SITE.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

[redacted] 25X1

GUANABACOA SAM SITE A14-2 CU 2305N 08216W
OB -- 6 EMPLACED LAUNCHERS, 13 MISSILE TRANSPORTERS, AND 12 OTHER VEHICLES OBSERVED IN HEAVY CLOUD SHADOW.

25X1 [redacted]

P-3 LA SALUD SAM SITE A04-2 CU 2253N 08224W
OB -- 6 EMPLACED LAUNCHERS @4 WITH MISSILES¤, 8 MISSILE TRANSPORTERS, A FAN SONG RADAR WITH 6 ASSOCIATED VAN TRAILERS, 1 ACQUISITION RADAR WITH GENERATOR VAN, 1 TRUCK-MOUNTED CRANE, 15 CARGO TRUCKS, AND 14 OTHER VEHICLES/PIECES OF EQUIPMENT.
ACTIVITY -- 1 OCCUPIED 6-GUN AAA SITE.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1 [redacted]

MANAGUA SAM SITE A05-2 CU 2259N 08215W
OB -- 6 EMPLACED LAUNCHERS @2 WITH MISSILES¤, 10 MISSILE TRANSPORTERS, A FAN SONG RADAR WITH 6 ASSOCIATED VAN TRAILERS, 1 ACQUISITION RADAR WITH GENERATOR VAN, AND 7 OTHER VEHICLES/PIECES OF EQUIPMENT.
ACTIVITY -- 1 OCCUPIED 6-GUN AAA SITE.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1 [redacted]

CATALINA SAM SITE A34-2 CU 2258N 08200W
OB -- 6 EMPLACED LAUNCHERS, 8 MISSILE TRANSPORTERS, AND

P-4 AN OCCUPIED CENTRAL GUIDANCE AREA.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.
SCATTERED CLOUDS AND OBLIQUITY LIMIT INTERPRETATION.

25X1 [redacted]

SAN JOSE DE LAS LAJAS CRUISE-MSL STORAGE CU 2255N 08210W
OB -- 6 L

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13 SALISH TRANSPORTER LAUNCHERS, 9 SAMLET TRANSPORTERS,
10 SAMLET RESUPPLY VEHICLES, 55 OTHER VEHICLES/PIECES
OF EQUIPMENT AND 29 CRUISE-MISSILE CRATES.
NO APPARENT CHANGE IN FACILITIES.

25X1 [redacted]

GUANABO CRUISE-MISSILE SITE CU 2309N 08203W
SITE REMAINS ABANDONED.

25X1 [redacted]

AIR FACILITIES

CORONEL PASCUAL AIRFIELD CU 2307N 08117W
OB -- 1 ELECTRA L-188.

25X1 [redacted]

JOSE MARTI INTERNATIONAL AIRFIELD CU 2259N 08224W
OB -- 1 BRITANNIA, 2 COOT, 3 COKE, 12 CRATE, 4 C-46,
AND 1 C-47.

P-5

25X1 [redacted]

NAVAL ACTIVITY/PORTS

LA ISABELA PORT CU 2256N 08000W
VESSELS -- 3 LARGE FREIGHTERS.

25X1 [redacted]

CARDENAS PORT CU 2302N 08111W
VESSELS -- NONE OBSERVED.

25X1 [redacted]

MATANZAS PORT CU 2302N 08134W
VESSELS -- 6 LARGE FREIGHTERS.

25X1 [redacted]

SURGIDERO DE BATABANO PORT CU 2241N 08217W
VESSELS -- NONE OBSERVED.

25X1 [redacted]

LA HABANA PORT FACILITIES CU 2307N 08220W
OB -- 1 PF AND 2 KOMAR-CLASS PTG.
OTHER VESSELS -- 18 LARGE FREIGHTERS AND 1 LARGE
TANKER.

25X1 [redacted]

P-6

ELECTRONICS/COMMUNICATIONS

VARADERO LOW SIEVE RADAR SITE CU 2311N 08108W
OB -- 1 LOW SIEVE RADAR.

25X1 [redacted]

SANTA CRUZ DEL NORTE RADAR SITE CU 2308N 08155W
OB -- NONE OBSERVED.
ACTIVITY -- 3 VAN TRUCKS.

25X1 [redacted]

MILITARY ACTIVITY

RANCHO BOYEROS MIL TRAINING AREA A CAMP CU 2300N 08218W
OB -- 10 FA PIECES, 64 CARGO TRUCKS, AND 11 CARGO
TRAILERS OBSERVED IN CLOUD-FREE AREAS.
NO APPARENT CHANGE IN FACILITIES.

25X1 [redacted]

LA HABANA BARRACKS COJIMAR CU 2309N 08215W
OB -- 37 TRACKED PRIME MOVERS, 50 CARGO TRUCKS, AND AT
LEAST 40 OTHER VEHICLES/PIECES OF EQUIPMENT.
NO APPARENT CHANGE IN FACILITIES.

25X1 [redacted]

BAJURAYABO MILITARY CAMP CU 2308N 08210W

Sec 2
R-1

OB -- NONE OBSERVED.
NO APPARENT CHANGE IN FACILITIES.

25X1 [redacted]

CAMPO FLORIDO MILITARY CAMP EAST CU 2307N 08206W
OB -- 9 TANKS/SP GUNS, 12 AAA PIECES, AND 21 CARGO
TRUCKS.
ACTIVITY -- 2 OCCUPIED 3-GUN AAA SITES.
NO APPARENT CHANGE IN FACILITIES.

25X1 [redacted]

CAMPO FLORIDO MILITARY CAMP WSW CU 2306N 08211W
OB -- 38 FA PIECES, 51 CARGO TRUCKS, AND 1 UTILITY
TRUCK.

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25X1

CORRALILLO MILITARY AR CU 2301N 08038W
OB -- 3 CARGO TRUCKS.
NO APPARENT CHANGE IN FACILITIES.

25X1

MANAGUA MILITARY CAMP CU 2258N 08217W
OB -- 34 TANKS/SP GUNS, 9 MISSILE TRANSPORTERS, 83 CARGO TRUCKS, 113 UTILITY TRUCKS, AND NUMEROUS OTHER VEHICLES.
NO APPARENT CHANGE IN FACILITIES.

25X1

MARTI ARMOR TRAINING AREA CU 2258N 08059W
OB -- 2 PROBABLE TANKS/SP GUNS.
NO APPARENT CHANGE IN FACILITIES.

25X1

MINAS MILITARY CAMP JESUS MARIA FINCA CU 2306N 08211W
OB -- 3 AAA PIECES AND 7 CARGO TRUCKS.
NO APPARENT CHANGE IN FACILITIES.

25X1

NAZARENO MILITARY CAMP CU 2257N 08213W
OB -- 12 PROBABLE TANKS/SP GUNS.
NO APPARENT CHANGE IN FACILITIES.

25X1

SAN JOSE DE LAS LAJAS MILITARY ACTIVITY CH 2258N 08212W
OB -- 6 FA PIECES, 13 CARGO TRUCKS, AND 2 CARGO TRAILERS.
NO APPARENT CHANGE IN FACILITIES.

25X1

CHORRERA DE MANAGUA MILITARY CAMP W CU 2302N 08219W
OB -- 34 PROBABLE BTR 60-P AND 11 CARGO TRUCKS.
NO APPARENT CHANGE IN FACILITIES.

25X1

LA CHARCA MILITARY ACTIVITY CU 2246N 08036W
OB -- AT LEAST 120 VEHICLES/PIECES OF EQUIPMENT.
OBLIQUITY PRECLUDES DETAILED ANALYSIS.

25X1

TARARA LANDING BEACH CU 2310N 08211W
NO NEW MILITARY ACTIVITY OBSERVED.

25X1

MATANZAS LANDING BEACH CU 2301N 08126W
NO NEW MILITARY ACTIVITY OBSERVED.

25X1

SC P T PS
GANUZA LANDING BEACH CU 2305N 08030W
NO NEW MILITARY ACTIVITY OBSERVED.

25X1

PENINSULA DE HICACOS LANDING BEACH CU 2311N 08130W
NO NEW MILITARY ACTIVITY OBSERVED.

25X1

-STATUS OF OTHER TARGETS-

THE FOLLOWING TARGETS COULD BE IDENTIFIED BUT NOT INTERPRETED--

SANTA CRUZ DEL NORTE CRUISE-MISSILE SITE	2309N 08156W
LA HABANA RADAR SITE COJIMAR	2308N 08219W
LA HABANA RADAR SITE EL MORRO NO 1	2309N 08221W
GUANABACOA MILITARY AREA	2307N 08215W
SANTA MARIA DEL ROSARIO VEHICLE PARK	2303N 08215W

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